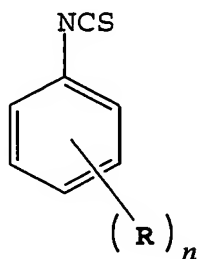


WHAT IS CLAIMED IS:

1. A compound represented by the formula



where $n = 1$ or 2 ;

R is $-NHC(O)-O-M$, $-NCO$ or $-C(O)N_3$;

M is a reacted alcohol-containing macromolecule; and

R is in a *para*-, *meta*- or *di-meta* position relative to $-NCS$.

2. The compound according to Claim 1, wherein M is a reacted polyethylene glycol or polysaccharide.

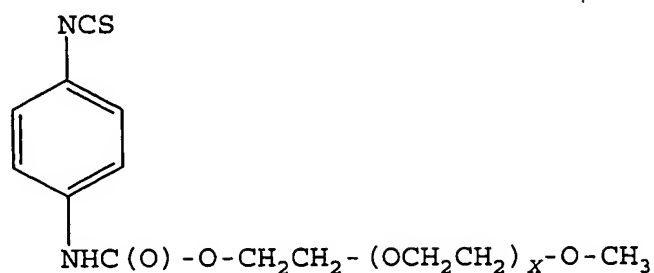
3. The compound according to Claim 2 wherein the polysaccharide is dextran, cellulose, starch or agarose.

4. The compound according to Claim 1 where R is $-NCO$.

5. The compound according to Claim 1 where R is $-C(O)N_3$.

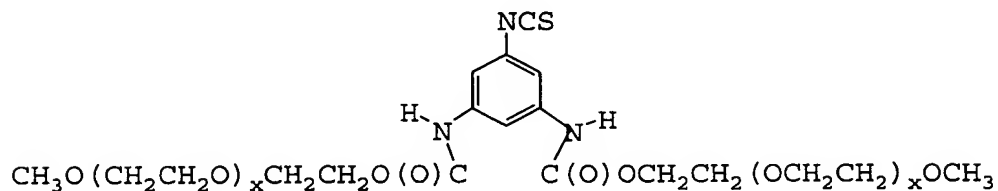
6. The compound according to Claim 1 where R is $-NHC(O)-O-M$.

7. The compound according to Claim 6 represented by the formula



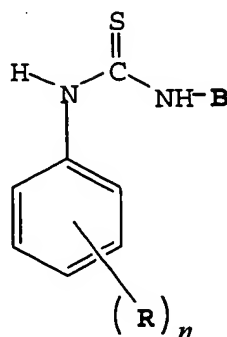
wherein M is the reacted methoxy polyethylene glycol $\text{-CH}_2\text{CH}_2\text{-(OCH}_2\text{CH}_2\text{)}_x\text{-O-CH}_3$; and x is an average value that is about 5 to about 500.

8. The compound according to claim 6,



wherein said compound is represented by the formula above and x is an average value that is about 5 to about 500.

9. A compound represented by the formula



where **B** is a reacted amino group-containing biomolecule;

R is -NHC(O)-O-M ;

where $n = 1$ or 2 ;

M is a reacted alcohol-containing macromolecule; and

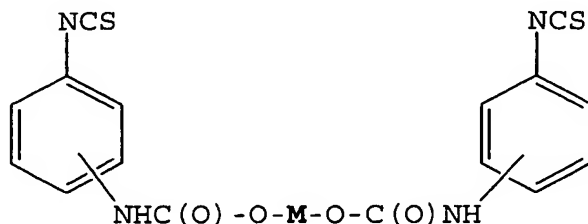
-R is para, meta or di-meta relative to -NHC(S)-NH-B .

10. The compound according to claim 9 where **M** is methoxy polyethylene glycol.

11. The compound according to Claim 9 wherein said macromolecule **M** is a hydroxy-containing surface.

12. The compound according to Claim 9 wherein said biomolecule **B** is streptavidin.

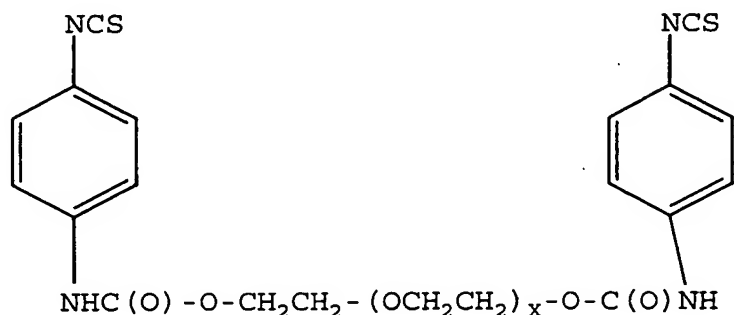
13. The compound represented by the formula



where **M** is a reacted alcohol-containing macromolecule.

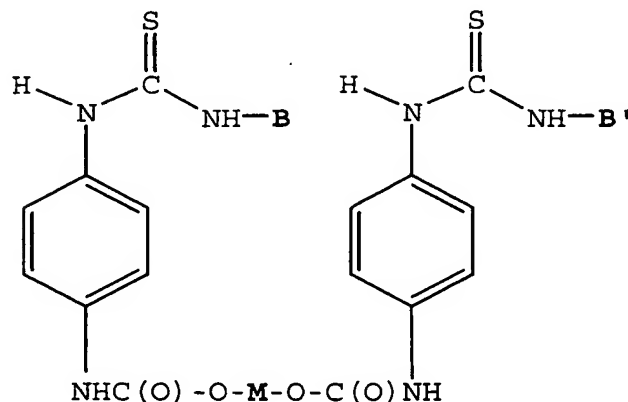
14. The compound according to claim 13 where **M** is polyethylene glycol.

15. The compound according to claim 14 represented by the chemical formula



wherein x is an average value that is about 5 to about 500.

16. A compound represented by the chemical formula

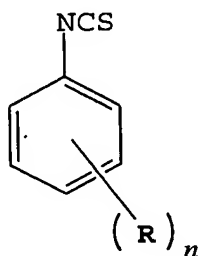


where **B** and **B'** are the same or different reacted amino group-containing biomolecules, and **M** is a reacted alcohol-containing macromolecule.

17. The compound according to claim 16
where **M** is polyethylene glycol.

18. A method for making a macromolecule **M**
that is linked to a biomolecule **B** comprising the
following steps:

(a) providing a linking reagent
represented by the formula



where $n = 1$ or 2 ;

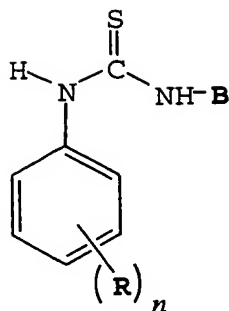
R is $-\text{NHC}(\text{O})-\text{O}-\text{M}$;

M is a reacted alcohol-containing
macromolecule; and

R is in a *para*-, *meta*- or *di-meta*
position relative to $-\text{NCS}$;

(b) providing an amine-containing
biomolecule **B** in an admixture with the linking
reagent provided in step (a) to form a linking
mixture; and

(c) maintaining said linking mixture for a
time period sufficient to form a urethane compound
represented by the chemical formula



where $n = 1$ or 2 ;

R is $-\text{NHC}(\text{O})-\text{O}-\text{M}$;

M is a reacted alcohol-containing macromolecule; and

R is in a *para*-, *meta*- or *di-meta* position relative to $-\text{N}(\text{H})\text{C}(\text{S})\text{N}(\text{H})-\text{B}$

thereby making a macromolecule M that is linked to a biomolecule B .

19. The method according to Claim 18 wherein said macromolecule M is a polyethylene glycol.

20. The method according to Claim 18 wherein said biomolecule B is a polypeptide.